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Y COVERNED A TROPA DE CODE	engineering sti Change Propos	فنسا		AC-	93	
DATE 11-30-60	AFFECTS:	WSPO	\mathbf{x}	PROJ	ECT 😿	
NAME OF MAJOR COMPONENT PART OF O2 SYSTEM TITLE OF PROPOSAL:	R LOWEST SUBAS	SEMBLY	PA	RT NO. &	MODEL OF	TYPE
OXYGEN SYSTEM IM	PROVEMENTS	 				
	SEE PAGE 2					
REASON FOR PROPOSAL: to incorporate oxygen system to reduce fire hazard posed improvements include: 1. Use of slow opening manual compening connectors and the one bliminate high pressure surged. 2. Removing the cockpit low pressure of indicated pressures. 3. Relocating the modified pressure cockpit to the Q-bay with Except for the high pressure to the cockpit.	d without det ntrol valves -off feature s and resulti sure gage to ure reducers in a box for	riment to in place of the pr ng adiaba prevent p and impro	of presence tic head cossible wed resure again	ing effices ent autor reducers ating. emisinte lief valvost greas	iency. F matic to rpre- es from e and di	ro-
ES ESTIMATED COST AND TIME INVOLVE ADDITIONAL FUNDING REQUIRED:	ED:					
CP ESTIMATED COST FOR KITS OR PARTS ADDITIONAL FUNDING REQUIRED:	S: See Page NONE (ST-					
ITEMS AFFECTED BY PROPOSAL:						
EFFEC ANCE PROCEDURE CHA	WEIGHT OR WEIGHT & BALANCE	TOOLS & SUPPORT EQUIPMENT	MAINTE- NANCE PROCEDURE	SERVICE LIFE	FLIGHT MANUAL	MAINTE- NANCE MANUAL
EST. MAN/HRS. REQ'D. TO ACCOMPLISH CH				MITTEL A PT	TD 4000	
SOURCE OF PARTS FOR KIT LAC	AVA	ILABILITY	17	WEEKS AF		ATINTL
DISPOSITION OF SPARES AFFECTED Press reworkable: Lo-Press. Oxygen Gage					ducers not usab	le.
INITIATED BY :		ROVED :	WSPO PROJECT	1		1/13/
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NATURE OF FROPOSAL:

- 1. Modify all aircraft (except 388/721 and 394/954)* as follows:
 - except the high pressure gage and the indicator lights in the L. H. side instrument panel. Replace the present Oxygen Console with a new Console Assembly (Lo-pressure only) which includes the two existing pressure switches, and two new slowopening needle valves for controlling the "primary" and "secondary" low pressure systems. (See Figure 1.)
 - b. Q-Bay Install Box Assembly (dirt and grease shield) which includes new improved relief valves, and reworked pressure reducers.
 - NOTE: Existing pressure reducers will be reworked by removing the "on-off" handle, adding metal diaphragms and metal-to-metal seats. (Valve bodies will be impainted aluminum on future production). The new relief valves will have a flow rating compatible, with system capacity and will be vented overboard.
 - valves and replace with slow opening needle valves and pressure gages on each cylinder.
 - d. Modify plumbing to connect relocated system elements. Special fittings will be utilized to reduce to a minimum, the number of high and low pressure line connections. Revised installation procedure will require application of anti-sabotage paint to certify the security of each plumbing connection.

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NATURE OF PROPOSAL: (cont)

- 2. Prepare and issue a Service Bulletin
- 3. Fabricate appropriate aircraft provisioning kits.
- *h. This proposal also includes modification of two place aircraft (388/721 and 394/954). Description of changes involved will be outlined by revision to this Change Proposal and issuance of a separate Service Bulletin.

Estimated Cost For Kits or Parts:

Cust.	No.	1 - 9	Kits	Total	Cost
Cust.	No.	2 - 29	Kits	Total	Cost

STATINTL

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